

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P266022

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T4W-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-20-D-U-T4W-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1995.3 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U2 - G2

Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

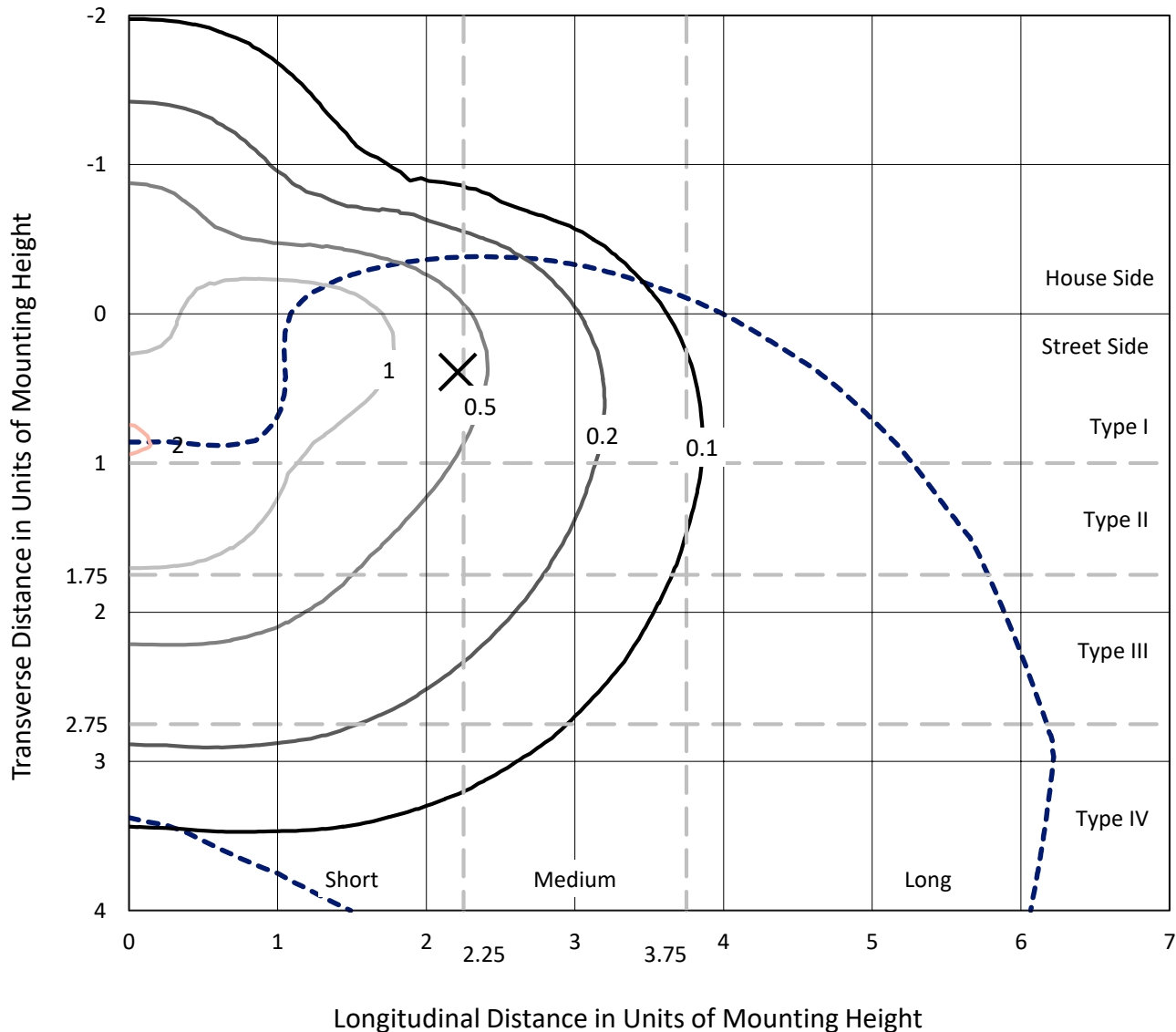


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

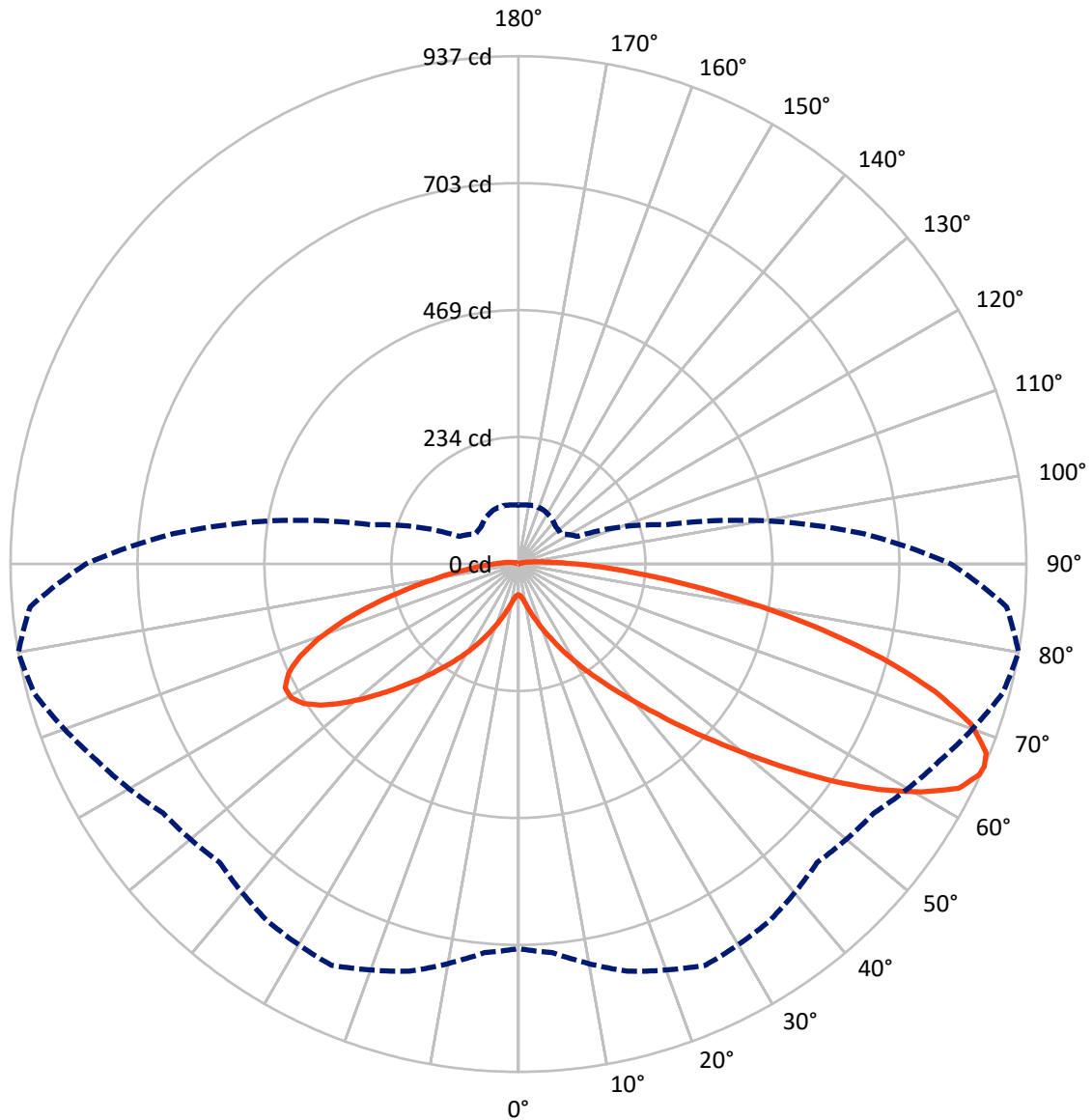


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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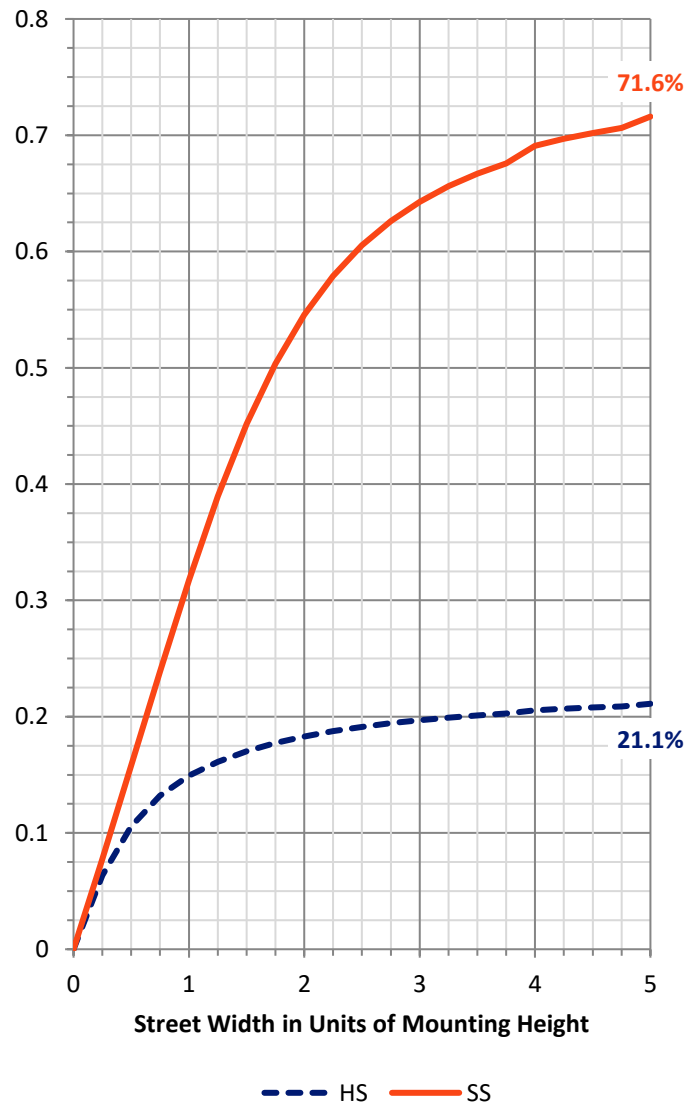
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	442.5	28.5	471.0
	% Fixture	22.2	1.4	23.6
Street Side	Lumens	1486.1	38.2	1524.3
	% Fixture	74.5	1.9	76.4
Total	Lumens	1928.6	66.7	1995.3
	% Fixture	96.7	3.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.3
10°-20°	27.1	1.4
20°-30°	69.1	3.5
30°-40°	136.8	6.9
40°-50°	237.2	11.9
50°-60°	378.2	19.0
60°-70°	491.7	24.6
70°-80°	406.7	20.4
80°-90°	175.5	8.8
90°-100°	45.8	2.3
100°-110°	13.5	0.7
110°-120°	5.1	0.3
120°-130°	1.7	0.1
130°-140°	0.6	0.0
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1928.6	96.7
0°-180°	1995.3	100.0



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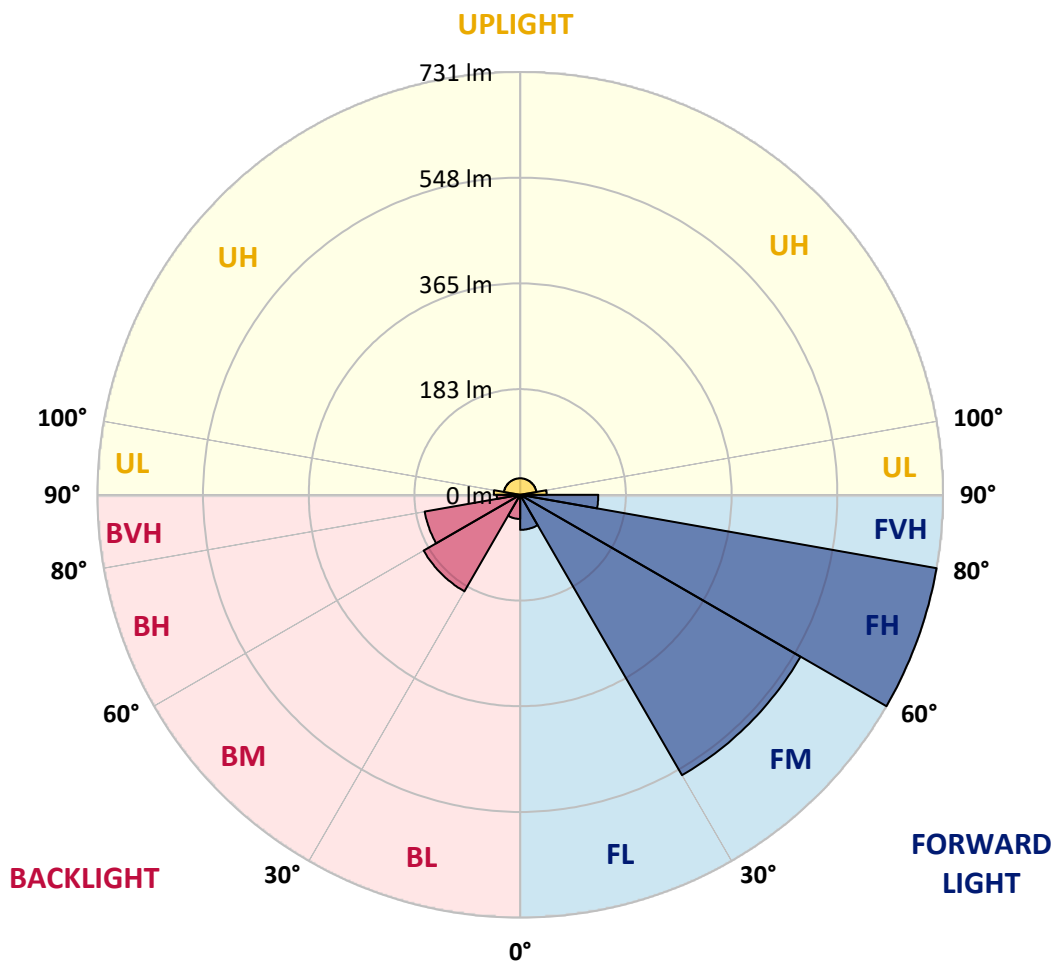
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T4W-TL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	60.6	3.0			
FM	(30°-60°)	559.6	28.0			
FH	(60°-80°)	730.9	36.6			G1/1800
FVH	(80°-90°)	135.0	6.8			G2/225
BL	(0°-30°)	41.8	2.1	B0/110		
BM	(30°-60°)	192.7	9.7	B0/220		
BH	(60°-80°)	167.6	8.4	B1/500		G1/500
BVH	(80°-90°)	40.4	2.0			G1/100
UL	(90°-100°)	45.8	2.3		U2/50	
UH	(100°-180°)	28.5	1.4		U2/50	

BUG Rating: B1-U2-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
2.5°	61.2	60.9	61.2	61.2	60.9	60.6	59.9	59.5	58.7	58.3	58.0
5°	66.1	65.9	65.9	65.9	65.7	65.2	64.3	63.3	62.3	61.7	61.4
7.5°	73.4	72.7	72.7	72.5	72.0	71.2	70.0	69.1	68.1	67.0	66.5
10°	83.3	82.7	82.0	81.6	80.4	79.6	78.2	77.0	76.3	75.3	74.3
12.5°	95.0	95.7	95.2	93.2	91.8	90.6	88.8	88.0	87.2	86.1	85.3
15°	110.3	110.9	109.7	107.6	105.3	103.8	101.9	100.3	99.7	98.4	97.3
17.5°	127.7	128.7	126.9	124.0	120.8	117.5	116.2	114.4	113.6	112.2	111.3
20°	148.7	149.7	147.1	142.7	138.1	133.3	131.6	129.7	129.4	128.1	127.3
22.5°	173.2	173.8	169.8	163.5	157.1	150.8	148.2	146.2	146.6	145.3	145.0
25°	201.4	201.7	195.9	187.7	178.0	169.5	165.9	165.0	165.9	165.2	164.7
27.5°	233.3	233.1	227.8	215.1	200.2	188.7	184.4	184.6	186.8	187.2	187.2
30°	268.7	269.5	260.7	244.1	224.7	208.9	204.4	205.3	211.6	211.6	211.6
32.5°	309.6	309.3	299.2	275.3	251.0	231.7	225.7	226.6	234.3	238.0	236.8
35°	355.4	354.9	342.4	311.7	279.8	255.8	247.8	252.2	262.8	266.8	266.0
37.5°	404.5	404.5	390.0	352.2	311.3	282.2	273.4	278.5	293.2	300.0	296.4
40°	454.9	455.1	437.8	398.0	346.9	311.1	300.9	309.8	330.7	337.1	334.8
42.5°	505.2	503.8	487.8	443.5	385.4	343.4	331.1	346.0	371.4	380.6	377.2
45°	556.1	555.2	540.5	491.2	427.4	378.5	365.7	385.0	418.0	432.7	429.3
47.5°	605.3	605.3	591.7	539.2	472.9	418.3	406.8	430.5	472.4	488.5	489.1
50°	651.5	652.3	640.5	591.7	519.4	462.1	452.0	483.0	537.6	555.2	556.3
52.5°	694.7	696.6	689.0	646.3	571.4	511.0	503.8	538.9	602.9	628.5	631.7
55°	733.0	733.8	732.8	697.2	625.0	562.3	560.0	602.0	680.6	708.1	708.1
57.5°	760.0	764.3	773.1	744.2	680.6	618.5	617.9	667.4	751.8	784.7	782.8
60°	772.2	776.9	799.5	786.0	732.1	674.7	679.8	735.7	827.6	854.0	852.3
62.5°	764.5	770.7	807.4	814.1	773.1	727.4	736.9	797.2	880.8	911.7	893.0
65°	729.1	738.1	789.4	820.4	800.2	767.4	785.6	845.3	917.3	935.5	907.2
66°	709.7	719.6	777.8	816.7	805.5	779.1	800.7	858.1	924.3	937.1	904.4
67.5°	677.2	685.3	751.8	803.9	807.9	795.0	818.6	870.5	922.3	931.0	888.8
70°	601.7	611.7	685.1	763.6	795.7	805.1	831.2	869.1	898.8	886.7	830.8
72.5°	509.8	525.7	598.6	694.2	757.1	789.7	818.3	837.7	836.4	803.9	736.9
75°	406.0	415.8	493.0	596.7	684.7	745.4	773.9	770.4	740.6	691.6	616.5
77.5°	303.1	313.0	381.5	483.6	584.3	661.2	687.1	672.4	616.7	562.6	489.9
80°	213.4	222.2	279.4	374.9	472.1	551.3	572.8	552.1	483.9	430.2	368.3
82.5°	145.5	149.4	197.4	280.1	368.0	435.5	456.3	429.5	364.5	313.4	265.2
85°	89.4	95.0	134.0	199.6	270.7	322.5	338.8	317.7	261.9	221.2	182.7
87.5°	52.3	55.3	83.0	134.6	194.8	237.2	245.5	226.0	179.7	149.7	121.4
90°	28.0	30.5	47.7	83.9	132.1	164.0	170.3	152.1	117.5	95.4	77.8
92.5°	16.6	18.0	28.6	50.7	84.6	107.8	112.2	97.6	73.9	61.2	50.8
95°	10.8	11.8	18.8	31.7	52.0	68.4	70.4	60.5	46.7	40.2	35.3
97.5°	7.9	8.4	13.5	21.6	32.9	42.0	43.7	37.4	30.9	27.8	25.2
100°	6.3	6.6	10.3	15.8	22.1	27.0	27.6	24.4	21.3	19.7	18.8
102.5°	5.3	5.5	8.4	12.4	16.6	19.1	19.5	17.2	15.1	14.2	14.0
105°	4.5	4.9	7.1	10.3	13.1	14.8	14.8	12.9	11.0	10.3	10.6
107.5°	3.9	4.1	6.0	8.7	11.0	12.2	11.9	10.2	8.2	7.5	7.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	3.4	3.7	5.3	7.5	9.6	10.3	9.8	7.9	5.7	5.3	5.5
112.5°	3.1	3.1	4.5	6.5	8.2	8.7	7.9	6.0	4.1	3.9	4.1
115°	2.6	2.9	3.9	5.5	6.6	7.1	6.5	4.5	2.9	2.9	3.1
117.5°	2.3	2.6	3.4	4.5	5.7	6.0	5.3	3.7	2.2	2.2	2.3
120°	2.2	2.2	2.9	3.9	4.9	4.9	4.1	2.6	1.6	1.6	1.9
122.5°	1.9	2.2	2.3	3.1	3.9	3.9	3.1	1.9	1.4	1.4	1.6
125°	1.6	1.9	2.2	2.6	3.1	3.1	2.3	1.4	1.2	1.4	1.4
127.5°	1.6	1.6	1.9	2.2	2.6	2.3	1.9	1.0	1.2	1.2	1.4
130°	1.4	1.4	1.6	1.6	1.9	1.9	1.4	1.0	1.0	1.2	1.2
132.5°	1.2	1.2	1.4	1.4	1.6	1.4	1.0	0.7	1.0	1.0	1.2
135°	1.0	1.0	1.0	1.2	1.2	1.0	0.7	0.7	1.0	1.0	1.0
137.5°	1.0	0.7	1.0	1.0	0.7	0.4	0.4	0.4	0.7	1.0	1.0
140°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.4	0.7	0.7	1.0
142.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.7	0.7
145°	0.0	0.0	0.2	0.2	0.0	0.0	0.2	0.2	0.4	0.4	0.7
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
2.5°	57.9	57.5	56.9	56.4	55.9	55.3	55.3	55.3	55.2	54.9	54.9
5°	60.9	60.5	59.5	58.5	57.3	56.4	55.9	55.7	55.2	54.6	54.6
7.5°	65.9	65.2	63.5	61.7	60.5	59.0	58.5	58.0	57.3	56.9	56.7
10°	73.7	72.5	69.8	67.5	64.9	63.2	62.3	61.9	61.4	61.4	61.4
12.5°	83.9	82.6	79.1	74.7	72.0	69.1	68.1	67.8	68.1	68.4	68.4
15°	95.8	93.6	89.2	83.5	79.4	76.3	75.3	75.3	75.7	76.0	76.0
17.5°	109.9	107.0	99.7	93.1	87.6	84.3	82.7	82.7	83.7	84.3	84.4
20°	124.4	121.4	113.1	102.3	95.4	91.5	89.9	90.2	91.4	92.5	92.9
22.5°	141.3	137.6	125.5	112.2	103.1	98.1	96.2	96.8	98.9	100.5	101.0
25°	160.4	155.9	139.7	122.8	110.0	103.3	101.9	103.3	106.2	108.3	108.7
27.5°	181.3	175.6	154.4	132.4	115.3	106.7	105.8	108.7	112.0	114.7	115.2
30°	204.5	197.4	169.8	140.8	119.5	109.4	108.3	112.2	116.3	119.5	120.0
32.5°	230.4	220.7	184.6	148.0	121.8	110.3	109.9	114.4	119.5	122.6	123.0
35°	258.5	245.5	200.5	153.7	122.8	110.0	109.9	115.2	120.5	123.4	123.7
37.5°	289.8	273.9	215.7	158.0	122.6	109.1	109.1	114.7	119.7	122.6	122.6
40°	325.6	304.5	232.1	160.8	121.4	107.4	107.6	112.6	117.5	119.5	119.7
42.5°	366.7	340.1	247.3	162.1	118.9	105.6	105.6	110.5	114.4	115.3	115.3
45°	413.7	379.7	263.8	161.9	116.5	103.3	103.7	107.8	110.9	111.0	110.9
47.5°	470.1	425.3	279.4	160.8	113.1	101.1	101.9	105.8	107.8	107.6	107.4
50°	531.8	474.8	294.7	158.7	110.3	99.7	100.7	104.4	106.2	105.6	105.0
52.5°	598.8	526.3	308.4	155.3	107.2	98.5	100.3	103.8	105.6	104.4	104.4
55°	668.1	577.5	319.2	150.3	104.6	97.8	100.5	103.8	105.8	104.6	104.6
57.5°	731.0	621.4	324.2	144.5	102.3	97.6	101.0	105.0	106.7	105.8	105.8
60°	780.4	652.0	320.9	137.9	100.3	97.3	101.9	106.4	108.3	107.2	107.2
62.5°	809.8	665.7	308.8	130.8	98.5	97.6	103.3	108.7	110.0	108.7	108.2
65°	808.7	651.5	288.7	123.0	96.8	97.6	104.4	109.9	111.0	109.4	108.7
66°	798.1	639.4	278.5	120.2	96.4	97.3	104.6	109.9	111.3	109.4	108.7
67.5°	778.2	614.1	261.3	115.6	95.2	97.1	104.8	110.0	111.0	109.4	108.3
70°	715.3	558.2	229.4	107.8	93.1	95.8	104.1	109.4	110.0	108.7	107.6
72.5°	621.4	478.8	197.1	100.3	90.2	93.2	102.1	107.0	108.2	106.7	105.8
75°	510.5	388.4	164.7	92.9	85.9	89.4	98.4	103.1	104.6	103.3	102.1
77.5°	397.0	297.3	133.8	85.6	80.8	84.6	93.1	97.3	98.9	97.3	96.7
80°	294.5	219.9	107.4	78.0	75.1	78.6	86.5	90.4	91.8	90.2	89.7
82.5°	211.3	159.4	85.6	69.6	68.1	71.4	78.6	82.0	83.3	82.3	80.6
85°	141.3	109.9	67.6	60.5	60.6	63.8	69.8	72.0	73.4	72.5	71.0
87.5°	95.7	75.3	53.4	51.4	52.0	54.2	59.6	61.4	62.3	61.2	60.9
90°	62.3	52.0	42.4	43.4	44.3	46.1	49.3	50.1	51.4	50.1	49.9
92.5°	42.4	38.1	34.6	36.2	37.4	38.5	40.6	41.1	42.0	41.1	40.6
95°	31.3	29.6	28.0	30.3	31.4	32.1	33.3	33.1	33.9	32.9	32.3
97.5°	23.7	22.7	23.0	25.0	26.1	26.6	27.0	26.6	26.9	26.0	25.4
100°	18.4	18.0	18.8	20.7	21.6	21.6	21.7	21.3	20.9	19.9	19.1
102.5°	14.2	14.2	15.1	17.0	17.7	17.7	17.4	16.8	16.1	15.1	15.1
105°	10.8	11.0	12.4	14.2	14.6	14.5	14.5	13.5	12.4	11.3	11.3
107.5°	8.2	8.4	9.8	11.5	11.9	11.9	11.5	10.6	9.3	8.4	8.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.0	6.5	7.9	9.3	9.8	9.6	9.3	8.2	6.9	6.3	6.0
112.5°	4.5	4.9	6.3	7.5	7.9	7.9	7.5	6.3	5.0	4.5	4.5
115°	3.4	3.9	4.9	6.0	6.3	6.3	5.7	4.9	3.7	3.1	3.4
117.5°	2.6	2.9	3.9	4.9	4.9	4.9	4.3	3.4	2.6	2.3	2.3
120°	2.2	2.3	2.9	3.7	3.7	3.7	3.1	2.3	1.9	1.6	1.9
122.5°	1.6	1.9	2.2	2.6	2.6	2.6	2.3	1.6	1.2	1.2	1.4
125°	1.6	1.6	1.6	1.9	1.9	1.9	1.6	1.2	1.0	1.0	1.0
127.5°	1.4	1.4	1.4	1.4	1.4	1.2	1.0	0.7	0.4	0.7	0.7
130°	1.4	1.4	1.2	1.2	1.0	0.7	0.4	0.2	0.2	0.4	0.4
132.5°	1.2	1.2	1.2	1.0	0.7	0.4	0.2	0.0	0.0	0.2	0.2
135°	1.2	1.2	1.0	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0
137.5°	1.0	1.0	1.0	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.7	0.7	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)